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KANG, INSUN				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

# Office Action Summary

**Application No.**

10/686,897

**Applicant(s)**

RYGAARD, CHRISTOPHER A.

**Examiner**

INSUN KANG

**Art Unit**

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 December 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SI/200)
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_
- Paper No(s)/Mail Date: \_\_\_\_\_

**DETAILED ACTION**

1. This action is in response to the amendment filed on 12/1/2009.
2. Claims 1-42 are pending in the application.

***Claim Rejections - 35 USC § 101***

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

4. Claims 1-18 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 1-18 are non-statutory because they are directed to a console hat does not have any physical structural elements. In the specification, the console is known as a jumping application controller module 140 (page 10, lines 2-5) which is a mere program. Thus, the alleged "console" of the claims turns out to be an abstract idea for being a computer program per se, and, thus, does not fit within the definition of the categories of patentable subject matter set forth in § 101. Therefore, the claim is non-statutory.

The following link on the World Wide Web is for the United States Patent And Trademark Office (USPTO) policy on 35 U.S.C. §101. The following link on the World Wide Web is for the United States Patent And Trademark Office (USPTO) policy on 35 U.S.C. §101.  
[http://www.uspto.gov/web/offices/pac/dapp/opla/prcognotice/guidelines101\\_20051026.pdf](http://www.uspto.gov/web/offices/pac/dapp/opla/prcognotice/guidelines101_20051026.pdf)

***Claim Rejections - 35 USC § 112***

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 1-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Per claims 1-18, it is not clear what the "console" means because the body of the claim does not support the preamble reciting a console. The console is directed to a program. Therefore, claims 1-18 reciting a console appears inaccurate lacking the necessary structural elements to be a physical system and support, even in its broadest reasonable sense, the preamble.

***Claim Rejections - 35 USC § 102***

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Ad Astra ( "Jumping Beans," Ad Astra Engineering, 12/3/1998, pages 1-44) hereafter "Astra."

Per claim 25:

Astra discloses:

-management and security console (i.e. "Jumping Beans' central management console," abstract, page 1, paragraph 3; Jumping Beans' security features, under security section in page 5); two or more host computers connected to the console by a computer network, wherein each

host computer executes a jumping application (i.e. "Jumping Beans...which can move from host to host during execution," page 1, first paragraph; page 8, Figure 1.).

-wherein the console includes a morphing module that alters a jumping application as the jumping application jumps between hosts, where the morphing module receives the jumping application from a first host and alters the jumping application before sending the jumping application to a next host (i.e. "Jumping Beans' central management console," abstract, page 1, paragraph 3; figure in page 24, page 30, second paragraph),

a database that contains one or more behavior packages for the jumping application, wherein each behavior package alters the behavior of the jumping application for a particular host (i.e. "trusted repository to which providers submit agents in forms suitable for various platforms," page 11, lines 1-3) .

wherein the morphing module includes instructions that determine the next host to which the jumping application is being dispatched and instructions that alter the behavior of the jumping application for the next host using a first behavior package of the one or more behavior packages associated with the next host (i.e. page 31, Messaging section, page 33, Itinerary section).

Per claim 26:

Astra further discloses:

- the console instructions that determine the next host further comprises instructions that identify the next host of the jumping application based on an itinerary of the jumping application (i.e. Itinerary section in page 10 which specifying the dispatch path which a

mobile application will follow in order and the agencies which the mobile application will visit).

Per claim 27:

Astra further discloses:

- the console instructions that alter the behavior of the jumping application further comprise instructions that gather information about each host of the jumping application system in order to determine the capabilities of each host (i.e. see Remote data gathering section, page 4).

Per claim 28:

Astra further discloses:

- the console instructions that gather information further comprises instructions that store one or more particular behavior package associated with each host of the jumping application system wherein each behavior package adjusts one of a state and a behavior of a jumping application using the capabilities of the particular host (i.e. page 31, Messaging section, page 33, Itinerary section).

Per claim 29:

Astra further discloses:

- the console instructions that alter the behavior further comprises instructions that identify the first behavior package as associated with the next host for the jumping

application and instructions that modify one of the state and the behavior of the jumping application using the identified behavior package (i.e. page 31, Messaging section, page 33, Itinerary section).

Per claim 30:

Astra further discloses:

- instructions that forward the jumping application with the altered behavior onto the next host (i.e. see Store-and Forward section in page 6).

Per claims 31 and 32:

Astra discloses one or more groups and each group contains one or more behavior packages associated with a set of capabilities of a host computer and the host computer is assigned to a group based on the capabilities of the host computer (i.e. page 31, Messaging section, page 33, Itinerary section, page 36 first paragraph).

Per claim 33:

Astra further discloses:

- a plurality of behavior packages associated with each jumping application wherein each behavior package for the jumping application is associated with a particular set of capabilities of a corresponding host computer (i.e. page 31, Messaging section, page 33, Itinerary section, page 36 first paragraph).

Per claim 19:

Astra discloses:

- -receiving at a morphing console a jumping application dispatched from a first host during a jump between hosts (i.e. see Remote data gathering section, page 4).
- determining a next host to which a jumping application is being dispatched (i.e. Itinerary section in page 10 which specifying the dispatch path which a mobile application will follow in order and the agencies which the mobile application will visit).

altering the behavior of the jumping application for the next host based on a behavior package associated with the next host (i.e. "Jumping Beans' central management console," abstract, page 1, paragraph 3; figure in page 24, page 30, second paragraph),

dispatching the jumping application to the next host (i.e. Itinerary section in page 10 which specifying the dispatch path which a mobile application will follow in order and the agencies which the mobile application will visit).

Per claims 20-24, they are the method versions of claims 26-33, respectively, and are rejected for the same reasons set forth in connection with the rejection of claims 26-33 above.

Per claims 1-9, they are the console versions of claims 25-33, respectively, and are rejected for the same reasons set forth in connection with the rejection of claims 25-33 above.

Per claims 10-18, they are other console versions of claims 25-33, respectively, and are rejected for the same reasons set forth in connection with the rejection of claims 25-33 above.



Per claims 34-42, they are the server computer versions of claims 25-33, respectively, and are rejected for the same reasons set forth in connection with the rejection of claims 25-33 above.

***Response to Arguments***

9. Applicant's arguments filed on 12/1/2009 have been fully considered but they are not persuasive.

The applicant states that the 101 rejection should be withdrawn as claim 1 recites a jumping application morphing console connected to two or more hosts and the examiner has failed to identify how hosts connected to a jumping application morphing console can be considered software per se (remark, 11).

In response, the claim does neither recite nor indicate that the console is a hardware that is physically connected (wired) to the hosts. Software that communicates with hardware can be indeed considered to be connected to the hardware. Furthermore, the term, "console" is defined to mean both a console computer and a console that is a morphing controller module that is a mere program according to the specification (page 10, lines 4-5, 9-11, 20-25). Therefore, the console in the claim is interpreted as the controller module. It is recommended to change the console in the claim as a console computer.

The applicant states that the cited portion does not teach or suggest any altering of a jumping application received from a first host and prior to sending the jumping application to a next host. Jumping Beans does not disclose any morphing module or any altering of a jumping application at the morphing module and configuring mobile applications as they are jumping

between hosts. The applicant further states that Jumping Beans does not teach any behavior package associated with each host where each behavior package adjusts one of a state and a behavior of a jumping application using the capabilities of the particular host.

In response, Jumping Beans by Astra (newly Aramira, the assignee of the instant application) provides management of the mobile system through its central management console (the MaSC) that customizes a mobile application moving along with its code, state, data and resources to the requirements of a particular network host (page 3, second paragraph). The customization or security configuration (behavior) of the mobile applications is performed at the mobile system (server) with centralized configuration management capabilities built into it during each hop (page 18). Therefore, Astra's mobile application received at the server from a first host is configured for the next host by the MaSC before it is sent to the next host (altering as they are jumping between hosts).

It is noted that the reference should be considered as a whole. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in their entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

### ***Conclusion***

**10. THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to INSUN KANG whose telephone number is (571)272-3724. The examiner can normally be reached on M-R 7:30-6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis A. Bullock, Jr. can be reached on 571-272-3759. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Insun Kang/  
Primary Examiner, Art Unit 2193